

ABSTRACT AMENDMENTS

Replace the Abstract with:

A small ball is formed at ~~the lower~~ an end of a second gold wire that is held and guided by a second capillary. The small ball has a diameter approximately equal to that of a first gold wire. The small ball is bonded to an electrode on an optical device. The second gold wire is separated from the small ball. A large ball is formed at the lower end of the first gold wire, ~~that~~ which is held and guided by a first capillary. The large ball is bonded to a wiring pattern on a external wiring substrate. The first capillary is moved upward, and then moved toward the small ball in the horizontal direction. ~~A bonding wire is formed with the~~
The first gold wire connecting with is connected to the large ball. The first gold wire is bonded to the small ball by stitch bonding, and then, separated from the small ball.